

B2
Conclude

8 to the air cylinder 9 in a direction for moving the dresser 4 in a downward direction (a direction for pressing the polishing pad 2) and is supplied through a regulator 10 to the air cylinder 9 in a direction for moving the dresser 4 in an upward direction (a direction for countering the weight of the dresser).

Please replace the paragraph beginning at page 8, line 2, with the following rewritten paragraph.

B3

In this polishing apparatus, the weight of the dresser tool 5 and the weight of the dresser shaft 6 are set in the regulator 10 and air is preliminary supplied through the regulator 10 to the air cylinder 9 in an amount sufficient for countering the weight of the dresser 4. Therefore, when no air is supplied through the controller 8 to the air cylinder 9, the pressure applied to the polishing pad 2 is zero. Consequently, by adjusting the amount of air supplied through the controller 8 to the air cylinder 9, the pressure applied to the polishing pad 2 can be adjusted to an arbitrary value between zero and a value larger than zero. That is, the pressure of the dresser tool 5 applied to the polishing surface of the polishing pad 2 can be minimized to a level less than the weight of the dresser tool 5 and can be adjusted to an arbitrary value exceeding that level.

Please replace the paragraph beginning at page 8, line 17, with the following rewritten paragraph.

B4

As is described above, by supplying air through the regulator 10 to the air cylinder 9 in a direction opposite to the direction of air supplied through the controller 8, the weight of the dresser 4 is countered. In this case, however, the air cylinder 7 of a conventional type shown in Fig. 1 has a problem such that when the pressure applied to the polishing pad 2 is set to be low by the controller 8, it is difficult for an actual pressure applied to the polishing pad 2 to be precisely controlled due to a frictional resistance (slide resistance) of the air cylinder. This problem can be avoided by using the air cylinder 9 of a low-friction type having a frictional resistance of about 0.44 kg or less. By this arrangement, the minimum pressure applied to the polishing pad 2 can be set to a level as low as, for example, 10 N (Newton).